EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1128973	@pd>"20100703"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:35
L2	68	(kiyohiro with saito).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:35
L3	1085	(kazuo with inoue).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:35
L4	2146	(atsushi with sato).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:36
L5	3	(hiroyoshi with minooka).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:36
L6	3288	2 3 4 5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:36
L7	26	1 and 6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:36
L8	270	264/443.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:37
L9	1	8 and 1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 11:37

EAST Search History (Prior Art)

S1	11	("3396214"|"5922250"|"5972252"|"6214273"|"6293754"|"6646807").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/06 13:40
S2	10	("6293754"|"6214273"|"10175233"|"3124358").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/06 13:41
S3	14	("07100878"|"0904923"|"02286312"|"5922250"|"5972252"|"3051733"|"11262938").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/06 13:52
S4	2	("6646807").URPN.	USPAT	OR	ON	2009/05/06 14:55
S5	2	("6214273").URPN.	USPAT	OR	ON	2009/05/06 15:01
S6	6	("5972252").URPN.	USPAT	OR	ON	2009/05/06 15:56
S7	5	("5093049" | "5415817" | "5776407" | "5972252" | "6210610").PN. OR ("6767482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/06 16:01
S8	25	("4091057" | "4364878" | "4828769" | "4836960" | "4907960" | "4933119").PN. OR ("5093049").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/06 16:19
S9	4	("5656228").URPN.	USPAT	OR	ON	2009/05/06 16:54
S10	71	("2373201" | "4254065" | "4540534" | "4627809" | "4707321").PN. OR ("4828769").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/06 17:00
S11	9	("4184835" | "4364878" | "4828769" | "4900242").PN. OR ("5948327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/06 17:14
S12	12	("3616495" | "4828769" | "4889478" | "4933119" | "5057255" | "5059364" | "5196150").PN. OR ("5354525").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/06 17:21
S13	11	("3396214").URPN.	USPAT	OR	ON	2009/05/06 17:29
S14	1	1998-421754.NRAN.	DERWENT	OR	ON	2009/05/06 17:37
S15	4	("6293754").URPN.	USPAT	OR	ON	2009/05/06 17:41

S16	104	("4867672" "4965028" "5238216" "6086808" "4447372" "4867668" "5456588" "5635226" "6074577" "6241929" "4272636" "4299372" "4386042" "4808360" "4818575" "4892470" "4894197" "4900570" "4956132" "4983116" "5008064" "5209889" "5282733" "5296174" "5318435" "5400912" "5435865" "5498307" "5589130" "5702810" "5779110" "5833916" "5846574" "5971733" "6207087" "6216472" "6216472" "4249874" "4255368" "4277428" "4280803" "4293659" "4311246" "4363772" "4366109" "4378335" "4404229" "4422996" "4435349" "4439393").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/06 18:29
S19	25	"5017311"	USPAT	OR	ON	2009/05/06 18:40
S20	28	("4140744" | "4339303" | "4500280" | "4780255").PN. OR ("5017311").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/06 18:44
S21	3	("5017311" | "5458818" | "5792492").PN. OR ("6464485").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/06 18:50
S22	1	"20030080448"	US-PGPUB	OR	ON	2009/05/06 18:55
S23	0	("2003/0080448").URPN.	USPAT	OR	ON	2009/05/06 18:55
S24	0	("2003/0080448").URPN.	USPAT	OR	ON	2009/05/06 18:55
S26	1	"20020036360"	US-PGPUB	OR	ON	2009/05/06 18:57
S27	1	("2002/0036360").URPN.	USPAT	OR	ON	2009/05/06 18:58
S42	854	(multiple near$6 cavit$3) with ((ultrasonic adj vibration) (sonic adj vibration))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 16:25
S47	36500	(optical spectacle) adj len	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 16:29
S48	5	S47 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 16:29
S49	0	("2008/0001319").URPN.	USPAT	OR	ON	2009/05/07 16:29
S50	0	("2008/0001319").URPN.	USPAT	OR	ON	2009/05/07 16:29
S51	0	("2008/0001319").URPN.	USPAT	OR	ON	2009/05/07 16:29
S52	0	("2008/0001319").URPN.	USPAT	OR	ON	2009/05/07 16:29
S53	0	("2008/0001319").URPN.	USPAT	OR	ON	2009/05/07 16:29

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S54	360	cavit$3 with ((ultrasonic adj vibration) (sonic adj vibration))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 16:33
S56	25	"5017311"	USPAT	OR	ON	2009/05/07 16:39
S57	433	cavit$3 with ((ultrasonic adj vibration) (sonic adj vibration) (ultrasonic adj oscillator))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 16:42
S58	858163	((optical spectacle) adj len) len	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 16:43
S59	33	S58 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 16:43
S60	1	1990-095314.NRAN.	DERWENT	OR	ON	2009/05/07 16:52
S62	13	(cavit$3 with ((ultrasonic adj vibration) (sonic adj vibration))) same ((ultrasonic adj oscillator) oscillator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 17:00
S63	1	2008-G47900.NRAN.	DERWENT	OR	ON	2009/05/07 17:16
S64	260	264/443.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 17:18
S65	426	264/1.32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 17:21
S66	1	S64 and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 17:21
S69	379	264/297.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 17:23

EAST Search History (Prior Art)

S70	2	S69 and S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 17:24
S71	5	("4120921").URPN.	USPAT	OR	ON	2009/05/07 17:27
S72	3	"6361733"	USPAT	OR	ON	2009/05/07 17:38
S73	2	("6361733").URPN.	USPAT	OR	ON	2009/05/07 17:41
S74	5	("6629831").URPN.	USPAT	OR	ON	2009/05/07 18:00
S75	5	("3298065").URPN.	USPAT	OR	ON	2009/05/07 19:22
S76	152	(264/442.ccls.) not (264/443.ccls.)	USPAT	OR	ON	2009/05/07 19:37
S77	1	("7047859").URPN.	USPAT	OR	ON	2009/05/07 19:38
S78	26	("5068068").URPN.	USPAT	OR	ON	2009/05/07 19:46
S79	1259	425/174.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 20:02
S80	1249	425/808.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 20:03
S81	120	S79 and S80	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 20:03
S82	0	("2005/0112225").URPN.	USPAT	OR	ON	2009/05/07 20:05
S83	235	425/174.2.ccls.	USPAT	OR	ON	2009/05/07 20:07
S84	8	S80 and S83	USPAT	OR	ON	2009/05/07 20:07
S85	10	("4457880").URPN.	USPAT	OR	ON	2009/05/07 20:09
S86	534	425/588.ccls.	USPAT	OR	ON	2009/05/07 20:19
S87	0	S83 and S86	USPAT	OR	ON	2009/05/07 20:20
S88	651	425/572.ccls.	USPAT	OR	ON	2009/05/07 20:21
S89	0	S83 and S88	USPAT	OR	ON	2009/05/07 20:21
S90	32	("2627087" | "2875311" | "3191233" | "3241192" | "3666141" | "3822867" | "3825235" | "3937776" | "3941534" | "4208176" | "4311446" | "4550002").PN. OR ("4678420").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 20:37
S91	12	"5885495"	USPAT	OR	ON	2009/05/07 20:51
S92	21	("3298065" | "4288398" | "4469649" | "4793954" | "4919870" | "4925161" | "5271876" | "5306129" | "5326393" | "5494426").PN. OR ("5885495").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 20:59

S93	21	("3298065" | "4288398" | "4469649" | "4793954" | "4919870" | "4925161" | "5271876" | "5306129" | "5326393" | "5494426").PN. OR ("5885495").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 21:00
S94	40	("3071809" | "3194855" | "3233012" | "3619429").PN. OR ("4793954").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 21:10
S95	36	"4793954"	USPAT	OR	ON	2009/05/07 21:14
S96	23	"5,433,112"	USPAT	OR	ON	2009/05/07 21:15
S97	4	"4,487,728"	USPAT	OR	ON	2009/05/07 21:19
S98	18	"3,717,427"	USPAT	OR	ON	2009/05/07 21:21
S99	27	("2264948" | "2962785" | "3166772" | "3173175" | "3239005" | "3240847" | "3383439" | "3526686").PN. OR ("3717427").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 21:22
S100	44	"4,288,398"	USPAT	OR	ON	2009/05/07 21:23
S101	56	("1318740" | "2408627" | "2615271" | "2763040" | "2897557" | "2973564" | "3045302").PN. OR ("4288398").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 21:32
S102	3	("5360329").URPN.	USPAT	OR	ON	2009/05/07 21:37
S103	274	264/2.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/07 21:45
S113	1	1998-421754.NRAN.	DERWENT	OR	ON	2009/05/08 11:07
S114	1	(multiple and (dumm$3 adj cavit$3)) and ((ultrasonic adj vibration) (sonic adj vibration))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 11:08
S115	11	("4184835" | "4254065" | "4364878" | "4793953" | "4828769" | "4900242" | "5137441" | "5716540").PN. OR ("6210610").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 11:40
S116	1249	425/808.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 11:57
S117	10	("2424235" | "3981564" | "4279401" | "4540534" | "4664854" | "5512221" | "5596378").PN. OR ("6499986").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 12:18

S11 8	92	264/72.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 13:16
S12 1	679	(264/71.ccls.) not (264/72.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 13:26
S12 4	213	425/421.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 13:35
S12 8	759	425/572.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 13:45
S12 9	264	264/443.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 14:47
S13 0	0	("2007/0018361").URPN.	USPAT	OR	ON	2010/01/23 14:52
S13 1	0	("6558593").URPN.	USPAT	OR	ON	2010/01/23 14:53
S13 2	15	("6190602").URPN.	USPAT	OR	ON	2010/01/23 14:54
S13 3	12	("5464575").URPN.	USPAT	OR	ON	2010/01/23 14:55
S13 4	10	("5182053").URPN.	USPAT	OR	ON	2010/01/23 14:55
S13 5	7	("6113633").URPN.	USPAT	OR	ON	2010/01/23 14:55
S13 6	68	(kiyohiro with saito).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 14:58
S13 7	1077	(kazuo with inoue).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 15:04

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S13 8	1069	S137 not S136	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 15:04
S13 9	2054	(atsushi with sato).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 15:12
S14 0	2051	S139 not (S137 S136)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 15:13
S14 1	3	(hiroyoshi with minooka).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 15:36
S14 2	593	(hoya).as. and (ultrasonic ultrasound vibrat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 15:38
S14 3	47	(hoya).as. and ((mold$4 inject$5) same (ultrasonic ultrasound vibrat$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/23 15:38
S14 4	68	(kiyohiro with saito).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:00
S14 5	13883	@ad>"20100123"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:00
S14 6	0	S144 and S145	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:01
S14 7	1083	(kazuo with inoue).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:01

EAST Search History (Prior Art)

S148	0	S147 and S145	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:01
S149	2096	(atsushi with sato).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:01
S150	0	S149 and S145	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:01
S151	3	(hiroyoshi with minooka).inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:02
S152	0	S151 and S145	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:02
S153	269	264/443.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/03 14:02
S154	24	("5017311").URPN.	USPAT	OR	ON	2010/07/03 14:06
S155	5	("4120921").URPN.	USPAT	OR	ON	2010/07/03 14:08

EAST Search History (Interference)

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